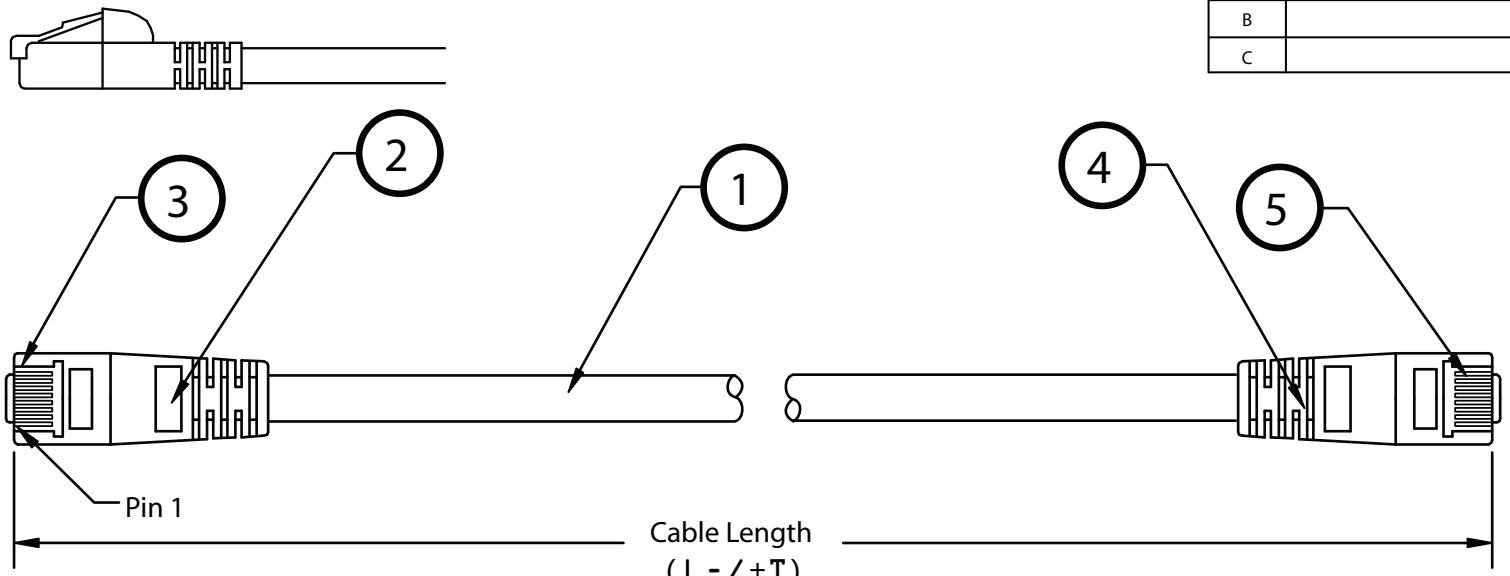
REV.	DESCRIPTION	DATE
B		02-2006
C		02-2014



PART NO.	CABLE LENGTH	
	L	-/+T(mm)
10X8-33x01	1 ft	-10/+30
10X8-33x03	3 ft	-10/+30
10X8-33x05	5 ft	-15/+50
10X8-33x07	7 ft	-15/+50
10X8-33x10	10 ft	-15/+50
10X8-33x14	14 ft	-20/+50
10X8-33x25	25 ft	-35/+75
10X8-33x35	35 ft	-50/+100
10X8-33x50	50 ft	-75/+150
10X8-33x75	75 ft	-100/+200
10X8-33xHD	100 ft	-150/+300

Pin Assignment

RJ45 Male	RJ45 Male
1	3
2	6
3	1
6	2
4	7
5	8
7	4
8	5

Color Options

Gray, Orange,
Red

NO.	SPECIFICATIONS
5	RJ45 Plug, w/30u Gold Plating Contacts
4	PVC Molded Hood
3	RJ45 Plug, w/30u Gold Plating Contacts
2	PVC Molded Hood
1	UTP, 24AWG, 4 Twisted Pairs, Stranded Bare Copper, UL ETL, EIA/TIA-568B Verified Category 6, Cross Over

BOM LIST

ITEM NUMBER	10X8-33xxx			DRAWER	JL
TITLE	CAT-6, 250MHz UTP, Molded w/Boot, Network Cable, Cross Over			CHECKED	MAC
				APPROVED	MAC
MATERIAL		SCALE			
REV.	A	UNIT	INCH		
DRAWING NO:					

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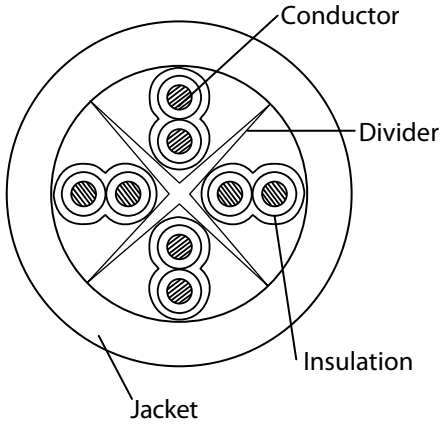
REV.	DESCRIPTION	DATE
B		02-2006
C		11-2013

Product Specifications

Construction & Material :

Item		Unit	Specification
Product			CAT-6 UTP 4P
Conductor	Size	AWG	24
	Number	Pairs	4
	Material		Stranded Bare Copper
	Construction	pcs / mm	7/0.203
	Diameter	mm	0.609
Insulation	Material		HD-PE
	Min.thickness	mm	0.152
	Avg.thickness	mm	0.171
	Diameter	mm	0.99
	Color		Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Twisting	Construction		See Cross Section
Divider	Material		PE
Cabling	Construction		See Cross Section
Jacket	Material		PVC
	Min.thickness	mm	0.45
	Avg.thickness		0.55
	Overall Diameter	mm	6.20±0.20
	Color		By Order
Marking	TYPE CM 75°C (UL) E188630 24AWG CSA LL81295 CMG 75°C FT4 ETL VERIFIED TIA/EIA-568 B.2-1 CAT.6 Patch Cable UTP		

Cross Section:



DRAWER	JL
CHECKED	MAC
APPROVED	MAC

Black Cable : White Marking
Other Cable : Blue Marking

COLORS:	PART NUMBER:	TITLE:
Gray, Black, Orange, Purple, Green, Blue, Red, Pink, Yellow, White	10X8-0xxSH	CAT-6 UTP, 24AWG, Stranded

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REV.	DESCRIPTION	DATE
B		02-2006
C		11-2013

Electrical Property :

Item		Unit	Specification		Standard	
D-C Resistance		Ohm/100M	AT 20℃		DC Max.9.38	
D-C Resistance Unbalance		%	------		Max.5	
Capacitance Unbalance		pF/100M	------		Max.330	
Characteristic Impedance 1.0~100.0MHz		Ohm/100M	------		100 ± 15	
Temperature Rating		℃	Celsius		-10 / +75	
Dielectric Withstand		AC / 2 Sec.	1500V		No Breakdown	
Frequency MHz	Attenuation dB/100m	NEXT Pair-Pair (dB)	NEXT Power Sum (dB)	ELFEXT Pair-Pair (dB)	ELFEXT Power Sum (dB)	Return Loss (dB)
1	2.4	74.3	72.3	67.8	64.8	20.0
10	7.1	59.3	57.3	47.8	44.8	25.0
31.25	12.8	51.9	49.9	37.9	34.9	23.3
62.5	18.5	47.4	45.4	31.9	28.8	20.7
100	23.8	44.3	42.3	27.8	24.8	19.0
125	26.8	42.8	40.8	25.9	22.9	18.2
200	34.8	39.8	37.8	21.7	18.7	16.4
250	39.4	38.3	36.3	19.8	16.8	15.6

DRAWER	JL
CHECKED	MAC
APPROVED	MAC

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